

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No.:	10/567,113	Confirmation No.:	2900
Applicant(s):	ZHILOV, et al.	Group Art Unit:	T/B/A
		Examiner:	T/B/A
Filed:	August 4, 2003	Customer No.:	27123
For:	USE OF CYCLIC BIOISOSTERS OF PURINE SYSTEM DERIVATIVES FOR TREATING DISEASES PRODUCED BY DISORDERS OF NITRERGIC AND DOPAMINERGIC SYSTEMS		

**INFORMATION DISCLOSURE STATEMENT**

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Pursuant to Rule 56, applicant hereby calls the attention of the Patent Office to the references listed on the attached Form PTO 1449.

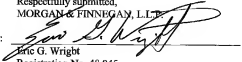
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- ☐ Were filed in related application U.S. Serial No(s) \_\_\_\_\_, filed \_\_\_\_\_, respectively.
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- ☐ This document is being concurrently filed with the above-identified application
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Respectfully submitted,  
 MORGAN & FINNEGAN, L.L.P.

Dated: November 2, 2006

By:

  
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<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket:	Serial No.:
	4874-7000	10/567,113
	Applicant:	
	ZHILOV, et al.	
	Filing Date:	Group Art Unit:
	August 4, 2003	T/B/A

## U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	1.				
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## FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	15.	2014077 C1	06-15-1994	Russia	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	16.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	17.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	18.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	19.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	20.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

Examiner	Date Considered
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<b>FORM PTO-1449B</b>		Attorney Docket: 4874-7001	Serial No.: 10/567,113
<b>INFORMATION DISCLOSURE CITATION</b>		Applicant: ZHILOV, et al.	
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<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	1.	Trump B.F., Berezesky I.K. "The role of altered $[Ca^{2+}]$ in regulation in apoptosis, oncosis and necrosis". Biochem. Biophys. Acta, 1996, v. 1313, p. 173-178.	
	2.	Roos A., Boron W.F. "Intracellular pH". Physiol. Rev., 1981, v. 61, p. 296-434.	
	3.	Akotov V.S., Grobova M.E., Rkshevoi Yu.V. "Intracellular pH and substrate dependence of proliferation of fibroblasts of Chinese hamster". Cytology, 1991, 33 (7), p. 86-94.	
	4.	Gillies R.G., Martinez-Zaguiian R., Peterson E.P., Perona R. "The role of intracellular pH in mammalian cell proliferation". Cell. Physiol. Biochem., 1992, 2, p.159-179.	
	5.	Akotov V.S., Grobova M.E. "Activation of intracellular pH regulating systems upon cell adhesion to solid substrate". Biol. Membr., 1993, v.6, p. 917-934.	
	6.	Kapus A., Romanek R., Qu A.Y., Rotstein O.O., Grinstein S.A. "pH-sensitive and voltage-dependent proton conductance in the plasma membrane of macrophages". J. Gen. Physiol., 1993, vol. 02 (4), p. 723-760.	
	7.	Demaurex N., Downey G., Waddell T., Grinstein S. "Intracellular pH regulator during spreading of human neutrophils", J.Cell. Biol., 1996, v. 133, p. 1381-1402.	
	8.	Tannock I.A., Rotin D. "Acid pH in tumors and its potential for therapeutic exploitation". Cancer Res., 1989, v.49, p. 4373-4384.	
	9.	Stabbs M., Rodrigues L., Howl F.A., Wang I., Joeng K.S., Veech R.L., Griffiths J.R. "Metabolic consequences of a reversed pH gradient in rat tumors". Cancer Res., 1994, v.54, p. 4011-4016.	
	10.	Mashkovsky M.D., "Medicinal Agents". Moscow, Medicine, 1993, part II, p. 137-140.	
	11.	Taguchi Hiroshi. "A new fluorometric assay method for guinolinic acid". Analitic Biochemistry, 1983, 131 (1), p. 194-197	
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	12.	Huntress E.H., Stanley L.N., Parker A.S. "The preparation of 3-Aminophthalhydrazide for use in the Demonstration of Chemiluminescence", J. Am. Chem. Soc., 1994, v. 56, p. 241-242.	
	13.	Zyczynska - Baloniak I., Czajka R., Zinkowska E., "Synthesis of Derivatives of 4-Hydroxypyrazine-[2,3-d]pyridazine-1-one. Polish Journal of Chemistry. 1978, v. 52, p. 2461-2465.	
	14.	Kormendy K., Ruff F. "Pyridazines condensed with a Heteroring. II", Acta Chimica Hungarica. 1990, 127 (2), p. 253-262.	
	15.	Yurugi S., Hieda M. "Studies on the synthesis of N- Heterocyclic Compounds". Chemistry, Pharmaceutic Bull., 1972, v. 20 (7), p 1522-1527. Ibid., p. 1513-1521.	
	16.	Seo E., Kuwana T. "Polarography of cyclic Hydrazides", J. Electroanal. Chem., 1963, v. 6, p. 417-418.	
	17.	Lund H. "Polarographic and electropreparative reduction of 1(2H)-phthalazines, 2,3-dihydro-1,4 phthalazindiones and related compounds", Coll. Czechoslow. Chem.Com., 1965, v. 30. p. 4237-4249.	
	18.	Ganz M.B. et al. "Argininvasopression enchargers of pH, regulation in the presence of HCO <sub>3</sub> <sup>-</sup> by stimulating three acid-base transport systems", Nature, 1989, v. 337, p. 648-651.	
	19.	Rogachev B., Hausmann M.J., Julzari R., Weiler H., Holmes C., Falot D., Chaimovitz C., Douvdevani A. "Effect of bicarbonate-based dialysis solution on intracellular pH (pH <sub>i</sub> ) and TNF-alpha production by peritoneal macrophages, Perit. Dial. Int., 1997, Nov-Dec, 17 (6), p. 543-553.	
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	20.	Bidani A., Hemming T.A. "Effect of concanavalin A on Na <sup>+</sup> -dependent and Na <sup>+</sup> -independent mechanism for H <sup>+</sup> extrusion in alveolar macrophages", Lung, 1998, 176 (1), p. 25-31.	
	21.	Swallow C.J., Grinstein S., Sudsbury R.A., Rotstein O.D. "Relative roles of Na <sup>+</sup> /H <sup>+</sup> exchange and vacuolar-type H <sup>+</sup> ATPases in regulating cytoplasmic pH and Function in murine peritoneal macrophages", J. Cell. Physiol., 1993, 157 (3), p. 453-460.	
	22.	Koshevoi Yu.V., Akatov V.S., Grobova M.E., "Microspectrofluorimeter for measuring endocellular pH (micro pH)". Devices and equipment for studies in the field of physical-and-chemical biology and biotechnology. Pushchino, 1990. P. 8-14.	
	23.	Thomas J.A., Bushbaum R.N., Zimniak A.w Racker E. "Intracellular pH measurements in Ehrlich ascites tumor cells utilizing spectroscopic probe generated <i>in situ</i> ", Biochemistry, 1979, v. 18, p. 2210-2218.	
	24.	Li J., Eastman A. "Apoptosis in an interleukin-2-dependent cytotoxic T-lymphocyte cell line is associated with intracellular acidification", J.Biol. Chem., 1995, v. 270, Number 7, p. 3203-3211.	
	25.	Solovieva M.E., Akatov V.S., Leshchenko V.V., Kudryavtsev V.A. "The mechanism of destruction of cells of myeloma NS/O in culture". Proceeding of the Russian Academy of Sciences, 1998, 2, p. 194-189.	
	26.	Zhu W.-H., Loh T.-T. "Effects of Na <sup>+</sup> /H <sup>+</sup> antiport and intracellular pH in the regulation of HL-60 cell apoptosis", Biochim. Biophys. Acta, 1995, v. 1269, p. 122-128.	
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	27.	Brenton P.D. "Mechanistic Aspect of Diazaquinone Chemiluminescence", Aust. J. Chem., 1984, v. 37, p. 1001-1008.	
	28.	Nishikimi M. Rao N.A. and Yagi K. "The occurrence of superoxide anion in the reaction of reduced phenazine methosulfate and molecular oxygen". Biochem. Biophys. Res. Commun, 1972, v. 46, p. 849-855.	
	29.	Rahman S., Ali Khan R., Kumar A. "Experimental study of the morphine deaddiction properties of Delphinium denudatum Wall/BMC Complement Altern". Med. 2002, v. 29, p. 1-6.	
	30.	Dum J., Blasig J., Herz A. Buprenorphine: "Demonstration of physical dependence liability". Eur. J. Pharmacol., 1981, v. 70, p. 293-300.	
	31.	Misko T.R., Schilling R.J., Salvemini D. et al. "A fluorometric assay for the measurement of nitrite of biological samples". Anal. Biochem., 1993, v. 214, p. 11-16.	
	32.	Bredt and Snyder. "Nitric oxide mediates glutamate-linked enhancement of cGMP levels in the cerebellum". Proc. Natl. Acad. Sci. USA, 1989, v. 86, p. 9030-9033.	
	33.	Kiss J.P., Vizi E.S., "Nitric oxide: a novel link between synaptic and nonsynaptic transmission," Trends Neurosci., 2001, Apr., 24 (4):211-5.	
	34.	Paul I.A., Skolnick P., "Glutamate and depression: clinical and preclinical studies," Ann. N Y Acad. Sci., 2003, Nov; 1003:250-72.	
	35.	Girgin Sagin F., Sozmen E.Y., Ersoz B., Menten G., "Link between monoamine oxidase and nitric oxide," Neurotoxicology, 2004, Jan., 25 (1-2): 91-9.	
	36.	Vizi E.S., "Role of high-affinity receptors and membrane transporters in nonsynaptic	
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		communication and drug action in the central nervous system," Pharmacol. Rev., 2000, Mar., 52 (1): 63-89.	
	37.	Liu Y., "Nitric oxide effect dopaminergic processes", Adv. Neuroimmunol., 1996, 6 (3): 259-64.	
	38.	Chiavegatto S., Nelson R.J., "Interaction of nitric oxide and serotonin in aggressive behavior," Horm. Behav., 2003, Sep., 44 (3): 233-41.	
	39.	Pfaus J.G., "Neurobiology of sexual behavior", Curr. Opin. Neurobiol., 1999, Dec., 9 (6): 751-8.	
	40.	Stefano G.B., "Autoimmunovascular regulation: morphine and anandamide and anandamide stimulated nitric oxide release", J.Neuroimmunol., 1998, Mar., 15, 83 (1-2): 70-6.	
	41.	Tayfun Uzbay I., "Oglesby M.W. Nitric oxide and substance dependence," Neurosci. Biobehav. Rev., 2001, Jan., 25 (1): 43-52.	
	42.	Kiss J.P. "Role of nitric oxide in the regulation of monoaminergic neurotransmission", Brain Res. Bull., 2000, Aug., 52 (6): 459-66.	
	43.	Mandel S., Grunblatt E., Riederer P., Gerlach M., Levites Y., "Youdim M.B. Neuroprotective strategies in Parkinson's disease: an update on progress", CNS Drugs, 2003, 17 (10): 729-62.	
	44.	Ujike H., "Advanced findings on the molecular mechanisms for behavioral sensitization to psychostimulants", Nippon Yakurigaku Zasshi., 2001, Jan., 117 (1): 5-12.	
	45.	Olesen J., Jansen-Olesen I., "Nitric oxide mechanisms in migraine." Pathol. Biol., Paris, 2000, Sep., 48 (7): 648-57.	
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	46.	Missale C., Nash S.R., Robinson S.W., Jaber M., Caron M.G., "Dopamine receptors: from structure to function", <i>Physiol. Rev.</i> , 1998, Jan., 78 (1): 189-225.	
	47.	Zawilska J.B. "Dopamine receptors-structure, characterization and function", <i>Postepy. Hig. Med. Dosw.</i> , 2003, 57 (3): 293-322.	
	48.	Fagen Z.M., Mansvelder H.D., Keath J.R., Mc. Gehee D.S., "Short- and long-term modulation of synaptic inputs to brain reward areas by nicotine", <i>Ann., NY Acad. Sci.</i> , 2003, Nov., 1003: 185-95.	
	49.	Ujike H., "Molecular biology of drug dependence and behavioral sensitization", <i>Seishin Shinkeigaku Zasshi</i> , 2002, 104 (11): 1055-68.	
	50.	Wolf M.E., Mangiavacchi S., Sun X., "Mechanisms by which dopamine receptors may effect synaptic plasticity", <i>Ann. NY Acad. Sci.</i> , 2003, Nov., 1003: 241-9.	
	51.	Kosten T.R., George T.P., Kosten T.A., "The potential of dopamine agonists in drug addiction", <i>Expert Opin. Investig. Drugs</i> , 2002, Apr., 11 (4): 491-9.	
	52.	Pearison G.D. "Neurobiology of schizophrenia", <i>Ann. Neurol.</i> , 2000, Oct., 48 (4): 556-66.	
	53.	Abi-Dargham A., Moore H., "Prefrontal DA transmission at D1 receptors and the pathology of schizophrenia", <i>Neuroscientist</i> , 2003, Oct., 9 (5): 404-16).	
	54.	Conley R.R., Kelly D.L. "Current status of antipsychotic treatment" <i>Curr. Drug Target CNS. Neurol. Disord.</i> , 2002, Apr., 1 (2): 123-8.	
	55.	Taylor D.P., Riblet L.A., Stanton H.C., Eison A.S., Eison M.S., Temple D.L. Jr., "Dopamine and antianxiety activity", <i>Pharmacol. Biochem. Behav.</i> , 1982, 17, Suppl. 1: 25-35.	
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	56.	Kapur S., Mamo D. "Half a century of antipsychotics and still a central role for dopamine D2 receptors", Prog. Neuropsychopharmacol. Biol. Psychiatry, 2003, Oct., 27 (7): 1081-90.	
	57.	Taguchi Hiroshi. "A new fluorometric assay method for quinolinic acid". Analytic Biochemistry, 1983, 131 (1), p. 194-197.	
	58.	Huntress E.H., Stanley L.N., Parker A.S. "The preparation of 3-Aminophtalhydrazide for use in the Demonstration of Chemiluminescence", J. Am. Chem. Soc., 1994, v. 56, p. 241-242.	
	59.	Zyczynska - Baloniak I., Czajka R., Zinkowska E., "Synthesis of Derivatives of 4-Hydroxypyrazine-[2,3-d]pyridazine-I-one. Polish Journal of Chemistry, 1978, v. 52, p. 2461-2465.	
	60.	Kormendy K., Ruff F. "Pyridazines condensed with a Heteroring. II". Acta Chimica Hungarica. 1990, 127 (2), p. 253-262.	
	61.	Yurugi S., Hieda M. "Studies on the synthesis of N- Heterocyclic Compounds". Chemistry, Pharmaceutic Bull., 1972, v. 20 (7), p 1522-1527. <i>ibid.</i> , p. 1513-1521.	
	62.	Dum J, Blasig J, Herz A, "Buprenorphine: demonstration of physical dependence liability", Eur. J. Pharmacol., 1981, V. 70, p. 293-300.	
	63.	Rahman S., Ali Khan R., Kumar A., "Experimental study of the morphine de-addiction properties of Delphinium denudatum Wall", BMC Complement Altern. Med., 2002, V.29, p.1-6.	
	64.	Blasig J., Herz A., Reinhold K., Zieglgansberger S. "Development of physical dependence on morphine in respect to time and dosage and quantification of the precipitated withdrawal syndrome in rats", Psychopharmacologia, Berlin, 1973, V.33,	
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<b>INFORMATION DISCLOSURE CITATION</b>		<b>Applicant:</b> ZHILOV, et al.	
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		p.19-38.	
	65.	Rahman S., Ali Khan R., Kumar A. "Experimental study of the morphine de-addiction properties of Delphinium denudatum" Wall, BMC Complement Altern. Med., 2002, V.29, p.1-6.	
	66.	Misko T.R., Schilling R.J., Salvemini D. et al. "A fluorometric assay for the measurement of nitrite in biological samples", Anal. Biochem., 1993, V. 214, p.11-16.	
	67.	Lei B., Adachi N., Nagaro T., Arai T. "Measurement of total nitric oxide metabolite (NO (x) (-)) levels in vivo. Brain", Res. Protoc., 1999, V. 4, p. 415-419.	
	68.	Bredt M., Snyder S. "Nitric oxide mediates glutamate-linked enhancement of cGMP levels in the cerebellum", Proc. Natl. Acad. Sci., USA, 1989, V.86, p.9030-9033.	
	69.	Bradford M. M. "A rapid and sensitive method for quantitation of microgram quantities of protein using the principle of protein binding" Anal. Biochem., 1976, V. 72, p. 248-254.	
	70.	Giuliano F., Allard J. "Dopamine and male sexual function" Eur. Urol., 2001, 40 (6), 601-608.	
	71.	Giuliano F., Allard J., Rampin O. et. al. "Pro-erectile effect of systemic apomorphine: existence of a spinal site action" J. Urol., 2002, 167 (1), 402-406.	
	72.	Brien S.E., Smallegange C., Gofton W.T., et.al. "Development of a rat model of sexual performance anxiety: effect of behavioral and pharmacological hyperadrenergic stimulation on apomorphine-induced erections" Int. J. Impot. Res., 2002, 14 (2), 107-115.	

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